TEST CERTIFICATE N. 231.Z.2304.232.EN.01

References: 2303068-01, 03–Ci

PRODUCT: **AFRICA** LOUNGE CHAIR

COMPANY: **VONDOM, S.L.U.**
POLÍGONO 6, 16
46293 BENEIXIDA (VALÈNCIA) SPAIN
www.vondom.com

TEST: Compliance with the following standards:
UNE-EN 581-1: 2017 & **UNE EN 581-2:2016/AC 2016** Outdoor furniture. Seating and tables for camping, domestic and contract use. Part 1: General safety requirements. Part 2: Mechanical safety requirements and test methods for seating.
ANSI/BIFMA X5.4-2020 Public and Lounge Seating. Test

RESULT: Satisfactorily complies with specifications of standards ANSI/BIFMA X5.4-2020, for single seating style A, with UNE-EN 581-1:2017 and UNE EN 581-2:2016/AC 2016 for outdoor seating for public use, according to the following tests applicable to the product:

	TEST	RESULT
ANSI/BIFMA X5.4-2020	4. Type of chair (single seating)	Style A
	5. Backrest horizontal static load test. Fh_1= 667 N, t=1 min. Fh_2 = 1112 N, t =10 sec)	CORRECT
	7. Backrest durability Test. Horizontal. (Fh= 334 N, n= 120 000 cycles)	CORRECT
	9. Arm strength test. Horizontal. (Fh_1 = 445N, t= 1 min. Fh_2 = 667N, t=10 sec)	CORRECT
	10. Arm strength test. Vertical. (Fv_1 = 750 N, t=1 min. Fv_2= 1125 N, t=10 sec)	CORRECT
	13. Arm durability test. (F = 400N, n = 60 000 cycles)	CORRECT
	14. Seating durability test, (M= 57 kg, h= 30 mm, n= 100 000 cycles)	CORRECT
	15. Impact test. (h=152 mm, M_1=102 kg, M_2=136 kg)	CORRECT
	16. 3 Leg forward static load test. (Fh_1= 334N, t=1 min, Fh_2= 503N, t =10 sec)	CORRECT
	16. 4 Leg sideways static load test. (Fh_1= 334N, t= 1min, Fh_2= 503N, t = 10 sec)	CORRECT
	17. Unit drop test. (h = 180 mm, n= 2 times)	CORRECT
	21.3 – 21-5 Front and rear stability test	STABLE
	24. Structural durability test (Q= 109 kg, Fh= 334N, n= 25 000 cycles)	CORRECT
UNE EN 581-1:2017	**UNE EN 581-1:2017 -** General safety requirements	APPROVED
	Stability (forwards; sideways & rearwards overturning) **UNE EN 1022:2019**	STABLE
	UNE EN 581-2:2016/AC 2016: §. 7.1. General	APPROVED
UNE EN 581-2:2016 /AC 2016	**§. 7.2. Safety, Strength and Durability Requirements**	
	Test 1 Seat and back static load test (F_V = 2000N, F_H = 560N, n = 10 + 1)	CORRECT
	Test 2 Seat front edge downwards static load test (F_V = 1300 N, n = 10 times)	CORRECT
	Test 3 Seat and back fatigue test (F_V = 1000 N, F_H = 333N, n = 50 000 cycles)	CORRECT
	Test 5 Arm rest static load test (F_V = 900 N, n = 10 times)	CORRECT
	Test 6 Arm rest durability test (F = 400 N, n = 30 000 cycles)	CORRECT
	Test 7 Leg forward static load test (M = 100kg, F_H = 270N, n=10 times)	CORRECT
	Test 8 Leg sideways static load test (M = 100 kg, F_H= 300 N, n =10 times)	CORRECT
	Test 9 Seat impact test (M = 25 kg, h = 240 mm, n= 10 times)	CORRECT

Paterna, April 13, 2023

Signed: José Emilio Nuévalos
Furniture and Products Laboratory Manager

This certificate only refers to the samples tested by the AIDIMME laboratory.

The particular results of the tests are described in technical report n. 231.I.2304.232.ES.01 dated on 04/04/2023.

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